

**ARIZONA GAME AND FISH DEPARTMENT  
HERITAGE DATA MANAGEMENT SYSTEM**

**Plant Abstract**

**Element Code:** PDAST170A0

**Data Sensitivity:** No

**CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE**

**NAME:** *Berlandiera monocephala* (B.L. Turner) Pinkava

**COMMON NAME:**

**SYNONYMS:** *Berlandiera lyrata* var. *monocephala* B.L. Turner

**FAMILY:** Asteraceae

**AUTHOR, PLACE OF PUBLICATION:** (B.L. Turner) Pinkava, Journal of the Arizona-Nevada Academy Science 36(1): 8. 2003.

**TYPE LOCALITY:** Yepachic, Chihuahua, Mexico, North America.

**TYPE SPECIMEN:** HT: TEX-287464. C.W. Pennington 1, 21 Jun 1970.

**TAXONOMIC UNIQUENESS:**

**DESCRIPTION:** Scapose perennial herb, with oblanceolate individual basal leaves and elongate scapes with whitish matted hairs, each bearing 1(-3) radiate heads with fresh disc corollas that are yellow and fresh ray corollas that are yellow with green abaxial veins. (Pinkava, 2003).

**AIDS TO IDENTIFICATION:** *Berlandiera monocephala* differs from *B. lyrata*, in that the later has wart-like (reddish and bulbous-based) trichomes, pinnatifid, and red to maroon abaxial veins of ray corollas. (Pinkava, 2003).

**ILLUSTRATIONS:**

**TOTAL RANGE:** Southern Arizona, and Chihuahua and Sonora, Mexico.

**RANGE WITHIN ARIZONA:** Cochise Co.: Huachuca Peak. Pima Co.: Buenos Aires National Wildlife Refuge. Pima/Santa Cruz Co.: foothills of the Santa Rita Mountains. Santa Cruz Co.: Harshaw's Camp; Canelo Hills; Sonoita; and near Santa Cruz River, S of Sonoita and E of Patagonia. (Pinkava, 2003).

**SPECIES BIOLOGY AND POPULATION TRENDS**

**GROWTH FORM:** Perennial herb.

**PHENOLOGY:**

**BIOLOGY:**

**HABITAT:** In meadows and along streams, and in mesquite grasslands.

**ELEVATION:** Generally collected between 3,500-4,500 ft (1066-1373 m), but also collect on Huachuca Peak at 7620 ft (2324 m). (Pinkava, 2003).

**EXPOSURE:**

**SUBSTRATE:**

**PLANT COMMUNITY:**

**POPULATION HISTORY AND TRENDS:** Unknown.

### **SPECIES PROTECTION AND CONSERVATION**

**ENDANGERED SPECIES ACT STATUS:** None

**STATE STATUS:** None

**OTHER STATUS:** None

**MANAGEMENT FACTORS:**

**PROTECTIVE MEASURES TAKEN:**

**SUGGESTED PROJECTS:** Surveys to determine current distribution.

**LAND MANAGEMENT/OWNERSHIP:** FWS – Buenos Aires National Wildlife Refuge

### **SOURCES OF FURTHER INFORMATION**

#### **REFERENCES:**

International Plant Name Index (IPNI). <http://www.ipni.org/ipni/plantsearch>. Accessed: 6/15/2005.

Missouri Botanical Garden – TROPICOS, Nomenclatural Data Base. *Berlandiera monocephala* (B.L. Turner) Pinkava. <http://mobot.mobot.org/>. (Accessed: 31 May 2005).

Pinkava, D.J. 2003. *Berlandiera monocephala* (Asteraceae) newly recognized for Arizona and the United States. Journal of the Arizona-Nevada Academy of Science 36(1): 8.

SEINet. Collections Search Result. Accessed 5/16/2005 at  
<http://seinet.asu.edu/collections/list.jsp>.

**MAJOR KNOWLEDGEABLE INDIVIDUALS:**

Dr. Donald J. Pinkava - Professor Emeritus, Arizona State University, Tempe, Arizona.

**ADDITIONAL INFORMATION:**

**Revised:** 2005-06-30 (SMS)

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